SAMSUNG

AH68-02109K

MAX-DA69

DVD MINI COMPONENT SYSTEM WITH USB HOST

DVD/CD/MP3-CD/CD-R/RW PLAYBACK

user manual

imagine the possibilities

Thank you for purchasing a Samsung product.
To receive a more complete service,
please register your product at
www.samsung.com/global/register

SAMSUNG

Safety Warnings

CAUTION
RISK OF ELECTRIC SHOCK.
DO NOT OPEN

TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE REAR COVER (or BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

CLASS 1 LASER PRODUCT
KLASSE 1 LASER PRODUKT
LUOKAN 1 LASER LAITE
KLASS 1 LASER APPARAT
PRODUCTO LASER CLASE 1

This symbol indicates “dangerous voltage” inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.

CLASS 1 LASER PRODUCT

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION : INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WARNING : To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

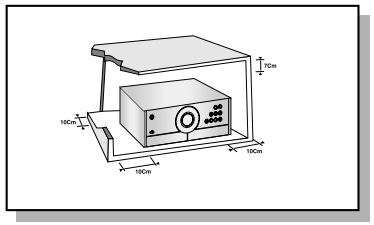
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

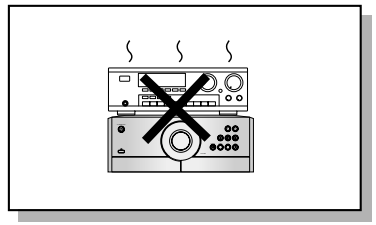
CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.

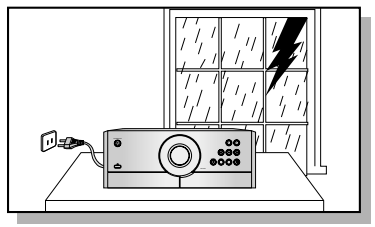
[Saudi Arabian Standards Organisation only]
THIS APPLIANCE IS FITTED WITH 220V SASO APPROVED PLUG.THE CUSTOMER IS ENTITLED TO A FREE SASO APPROVED 127V PLUG FROM THE LOCAL DEALER.

Precautions

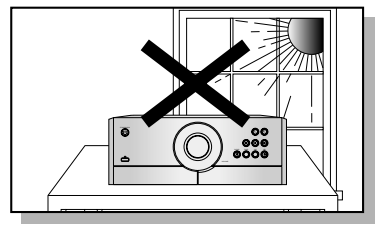




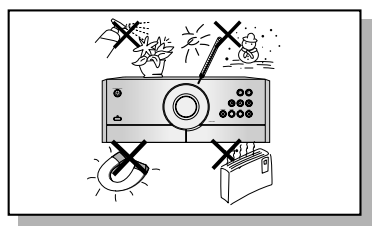
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc insert hole is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

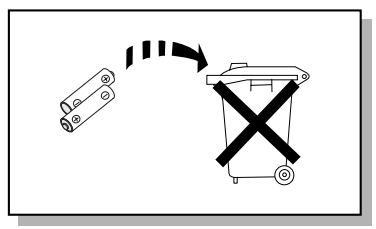


Protect the player from moisture(i.e. vases) , and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

Features

Multi-Disc Playback & FM Tuner, USB HOST.

The MAX-DA69 combines the convenience of multi-disc playback capability, including DVD-VEDIO, CD, MP3-CD, CD-R, CD-RW, DivX,JPEG and DVD-R/RW, with a sophisticated FM tuner, USB HOST all in a single player.

TV Screen Saver Function

The MAX-DA69 automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop mode.
The MAX-DA69 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

Power Saving Function

The MAX-DA69 automatically shuts itself off after 20 minutes in the stop mode.

Customized TV Screen Display

The MAX-DA69 allows you to select your favorite image during JPEG, DVD playback and set it as your background wallpaper.

USB Host support

You can enjoy media files such as pictures, movies and music saved on an MP3 player, digital camera or USB memory stick by connecting the storage device to the USB port of the Home Theater.

HDMI

HDMI transmits DVD video and audio signals simultaneously,and provides a clearer picture.

Contents

PREPARATION
Safety Warnings 1
Precautions 2
Features 3
Notes on Discs 5
Description 7

CONNECTIONS
Connecting the Speakers 11
Connecting the Video Out to your TV 13
HDMI Function 14
Connecting External Components 15
Connecting the FM Antennas 16

OPERATION
Setting the Clock 17
Checking the Remaining Time 17
Disc Playback 18
MP3/WMA-/CD Playback 19
JPEG File Playback 20
DivX Playback 21
Playing Media Files using the USB feature 23
Displaying Disc Information 25
Fast/Slow Playback 26
Skipping Scenes/Songs 27
Step Function 27
Angle Function 28
Repeat Playback 29
A-B Repeat Playback 31
Zoom Function 32
Selecting Audio/Subtitle Language 33
Moving Directly to a Scene/Song 34
Using Disc Menu 35
Using the Title Menu 36

SETUP
Setting the Language 37
Language Code List 38
Setting TV Screen type 39
Setting Parental Controls (Rating Level) 41
Setting the Password 42
Setting the Wallpaper 43
Setting the Speaker Mode 45
Setting the Test Tone 46
Setting the Delay Time 47
Setting the Audio Quality 49
Setting the DRC (Dynamic Range Compression) 51
AV SYNC Setup 52
Dolby Pro Logic II Mode 53
Dolby Pro Logic II Effect 54

RADIO OPERATION
Listening to Radio 55
Presetting Stations 56

MISCELLANEOUS
Timer Function 57
Cancelling the Timer 58
POWER SOUND / POWER BASS / DSP/EQ Function 59
CD RIPPING Function 60
Sleep Timer Function / Mute Function 61
DEMO Function / DIMMER Function 62
Connecting Headphones/Microphone Function 63
Cautions on Handling and Storing Discs 64
Troubleshooting 65
Specifications 67
USB Host Feature Supported Products 68
Notes on Terminology 69

Notes on Discs

DVD (Digital Versatile Disc) offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.

DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.
The Region Number for this player is given on the rear panel of the player.
(Your DVD player will only play DVDs that are labelled with identical region codes.)

Playable Discs

Disc Type	Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-VIDEO	DVD VIDEO	Audio + Video	12cm	Approx. 240 min. (single-sided)
				Approx. 480 min. (double-sided)
			8cm	Approx. 80 min. (single-sided)
				Approx. 160 min. (double-sided)
AUDIO-CD	COMPACT disc DIGITAL AUDIO	Audio	12cm	74 min.
			8cm	20 min.
DivX	DivX	Audio + Video	12cm	74 min.
			8cm	20 min.

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM and DVD-ROM discs cannot be played on this player.
  If such discs are played, a **<WRONG DISC FORMAT>** message appears on the TV screen.
- DVD discs purchased abroad may not play on this player.
  If such discs are played, a **<CAN'T PLAY THIS DISC PLEASE, CHECK REGION CODE>** message appears on the TV screen.

Copy Protection

- **Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.**
- This product incorporates copyright protection technology that is protected by methods claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

Disc Recording Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc.
  Do not use CD-R discs over 700MB/80 minute as they may not be playback.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the "mp3" and extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 500 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

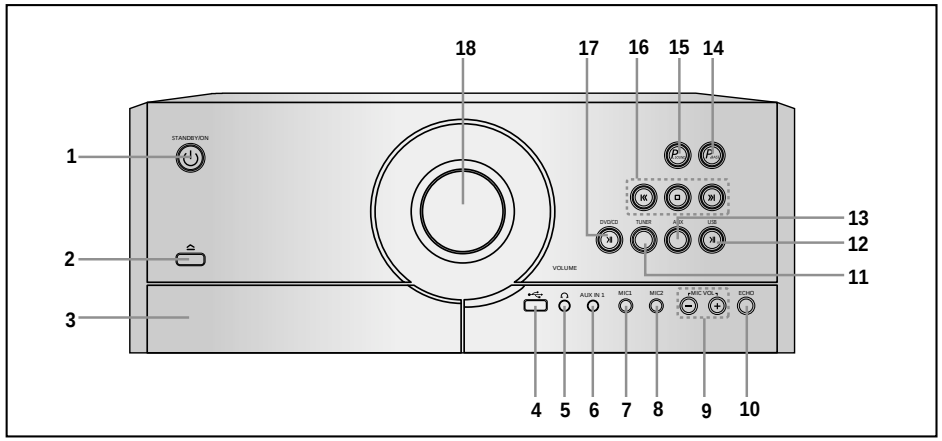
- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/RW, CD-R/RW DivX Discs

- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.
- Software updates for incompatible formats are not supported.
  (Example : QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- Sections with a high frame rate might not be played while playing a DivX file.
- For more information about the formats authorized by DivX Networks, Inc., please visit "www.divxnetworks.net".

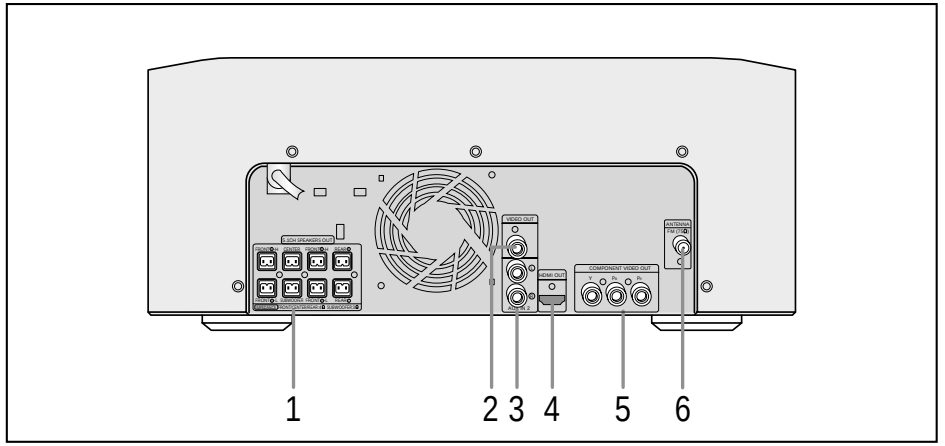
Description

—Front Panel—



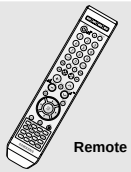
1. STANDBY/ON BUTTON
2. OPEN/CLOSE BUTTON
3. COMPACT DISC COMPARTMENT
4. USB JACK
5. HEADPHONE JACK
6. AUX IN 1
7. MIC 1
8. MIC 2
9. MIC VOLUME BUTTON
10. ECHO BUTTON
11. TUNER FUNCTION
12. USB FUNCTION
13. AUX FUNCTION
14. POWER BASS BUTTON
15. POWER SOUND BUTTON
16. SEARCH FUNCTION BUTTONS, TUNING MODE OR STOP BUTTON
17. DVD/CD FUNCTION
18. VOLUME CONTROL

—Rear Panel—



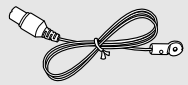
1. **5.1 Channel Speaker Output Terminals**
2. **Video Output Connector**
   Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.
3. **AUX IN 2 Connector**
4. **HDMI OUT Connector**
5. **Component Video Output Connectors**
   Connect a TV with component vide input jacks to these jacks.
6. **FM Antenna Connector**

Accessories


Remote Control

Video Cable

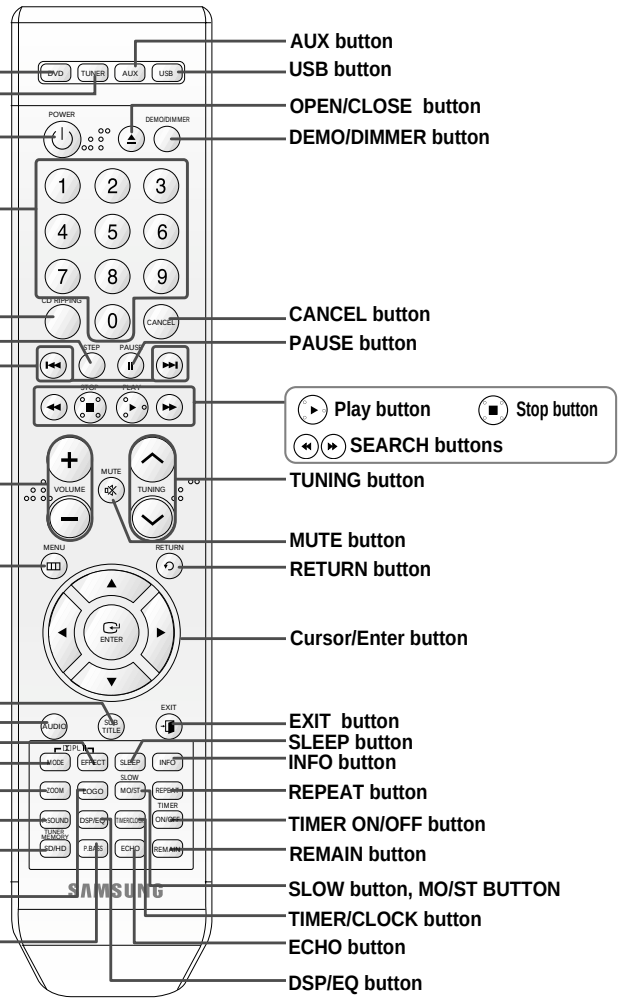
HDMI Cable(option)


FM Antenna

User's Manual

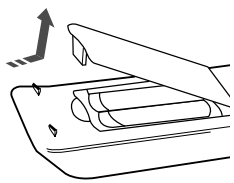
Description

—Remote Control—

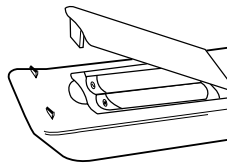


Insert Remote Batteries

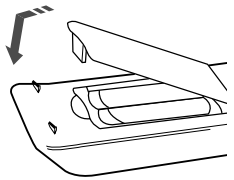
1 Remove the battery cover in the direction of the arrow.



2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).



3 Replace the battery cover.

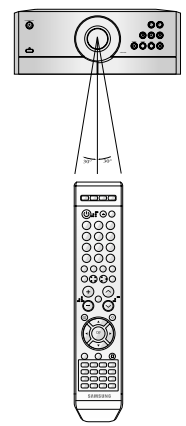


Caution **Follow these precautions to avoid leaking or cracking cells:**

- Place batteries in the remote control so they match the polarity:(+) to (+)and (–)to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

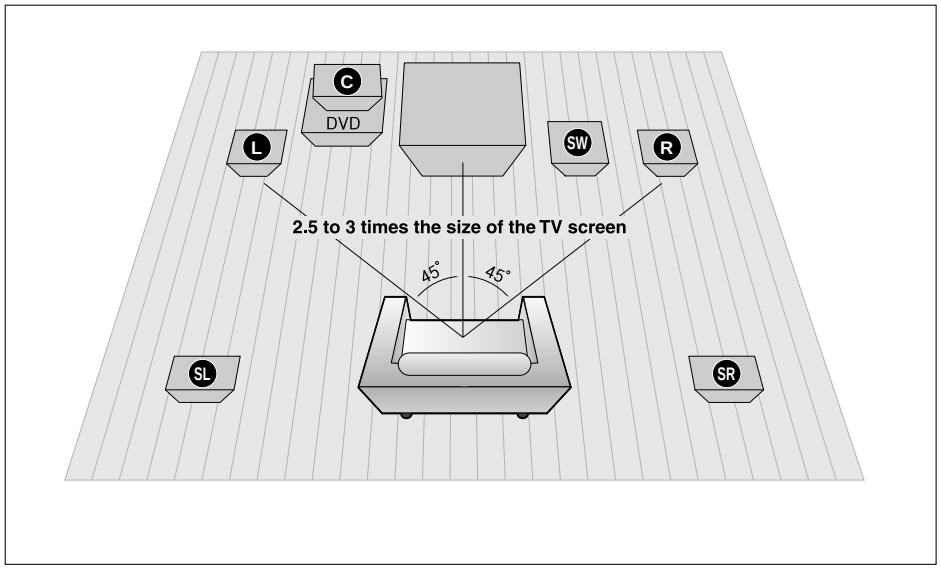
Range of Operation of the Remote Control

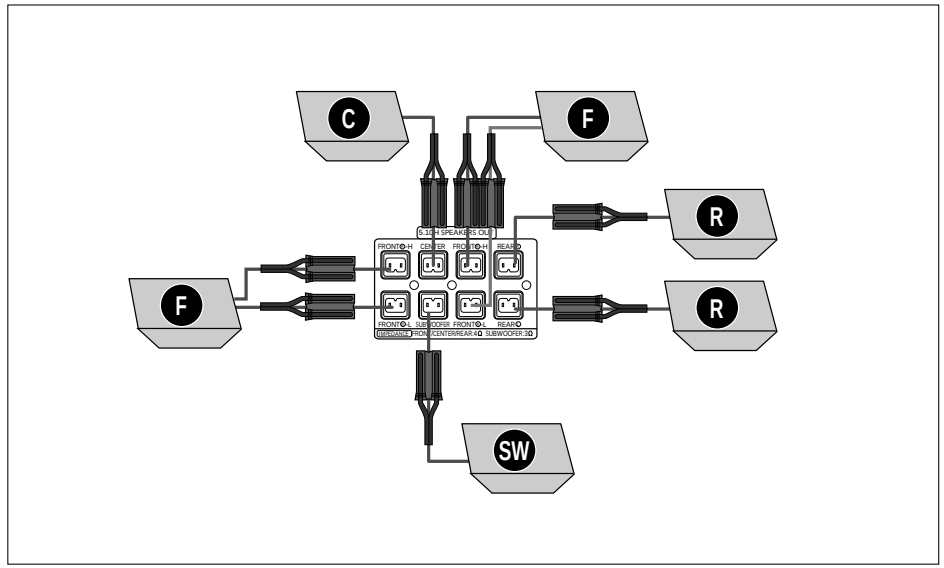
The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.





Position of the DVD Player

- Place it on a stand or cabinet shelf, or under the TV stand.

Front Speakers (L)(R)

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.
- Align the front face of the front speakers with the front face of the center speaker or place them slightly in front of the center speakers.

Center Speaker (C)

- It is best to install it at the same height as the front speakers.
- You can also install it directly over the main unit, and you should better install them directly over or under the TV.

Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.

Example : For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

Rear Speakers (SL)(SR)

- Place these speakers behind your listening position.
- If there isn't enough room, place these speakers so they face each other.
- Place them about 60 to 90cm (2 to 3feet) above your ear, facing slightly downward.

* Unlike the front and center speakers, the rear speakers are used to handle mainly sound effects and sound will not come from them all the time.

* **Sound will be heard from the rear speakers in DVD 5.1-CH or Dolby Pro Logic II mode only.**

Subwoofer (SW)

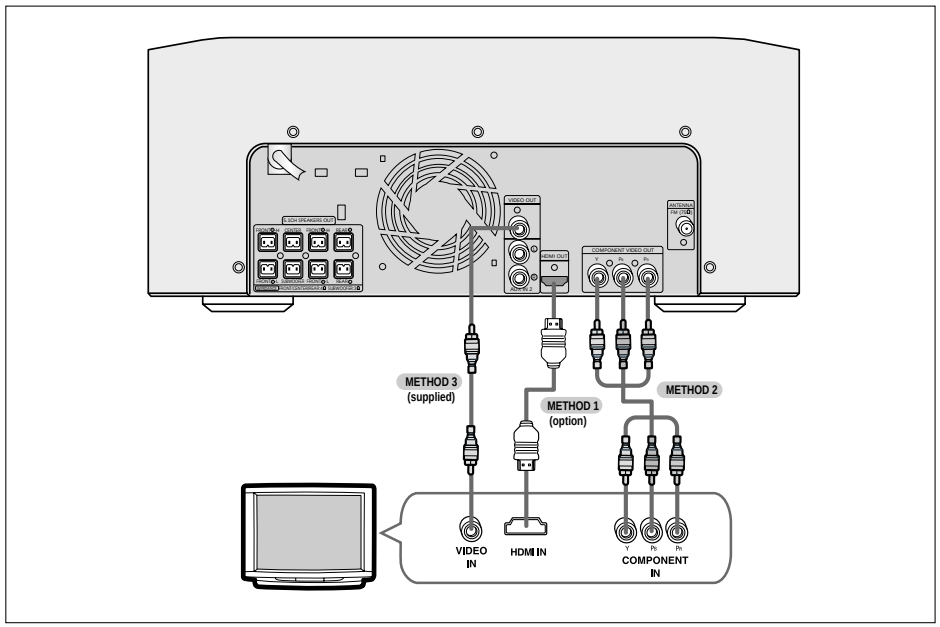
- The position of the subwoofer is not so critical. Place it anywhere you like.

- Do not let children play with or near the speakers. They could get hurt if a speaker falls.
- Keep the speaker out of reach of children so as to prevent children from inserting their hands or alien substances into the duct (hole) of the subwoofer speaker.
- Do not hang the subwoofer on the wall through the duct (hole).

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

Connecting the Video Out to your TV

Choose one of the four methods for connecting to a TV.



METHOD 1 : HDMI ..... (Best Quality)

Connect the HDMI cable from the HDMI OUT jack on the back of the DVD Player to the HDMI IN jack on your TV.

METHOD 2 : Component Video ..... (Better Quality)

If your television is equipped with Component Video inputs, connect a Component video cable(not supplied) from the Component Video Output (Pr, Pb and Y) jacks on the back of the DVD Player to the Component Video Input jacks on your TV.

METHOD 3 : Composite Video ..... (Good Quality)

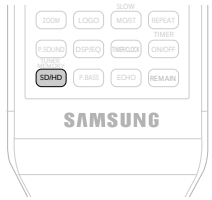
Connect the supplied Video cable from the VIDEO OUT jack on the back of the DVD Player to the VIDEO IN jack on your TV.

- This product operates in Interlace scan mode (576i) for component output.

HDMI Function

Resolution Selection

This function allows the user to select the screen resolution for HDMI output.



In Stop mode, press and hold the **SD/HD** (Standard Definition/High Definition) button on the remote control.

- Resolutions available for the HDMI output are 480p, 720p, 1080i.
- SD(Standard Definition) resolution is 480p and HD(High Definition) resolution is 720p/1080i.

Why use HDMI (High Definition Multimedia Interface)?

This device transmits a DVD video signal digitally without the process of converting to analog. You will get sharper digital pictures when using an HDMI connection.

- If the TV does not support the configured resolution, you will not be able to see the picture properly.
- **When an HDMI cable is connected, composite and component video signals are not output.**
- See your TV owner's manual for more information on how to select the TV's Video Input source.

Setting the HDMI Audio

The audio signals transmitted over the HDMI Cable can be toggled ON/OFF.

1 In Stop mode, press the **MENU** button.

2 Press the Cursor ▼ button to move to **<Audio>** and then press the **ENTER** button.

3 Press the Cursor ▼ button to move to **<HDMI AUDIO>** and then press the **ENTER** button.

4 Press the Cursor ▲, ▼ button to select <ON> or <OFF> and then press the **ENTER** button.

- ON : Both video and audio signals are transmitted over the HDMI connection cable, and audio is output through your TV speakers only.
- OFF : Video is transmitted over the HDMI connection cable only, and audio is output through the home theater speakers only.

- The default setting of this function is HDMI AUDIO OFF.
- HDMI AUDIO is automatically down-mixed to 2ch for TV speakers.
- ECHO/P.SOUND/EQ/DSP function is not available when HDMI AUDIO is ON.
- MIC output is not available while HDMI AUDIO ON.

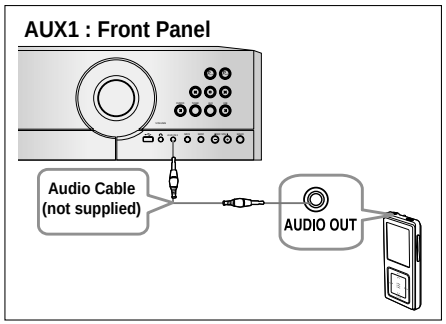
➢ Press the **RETURN** button to return to the previous level.

➢ Press the **EXIT** button to exit the setup screen.

Connecting External Components

AUX1 : Connecting an External Component/MP3 player

Components such as an MP3 Player



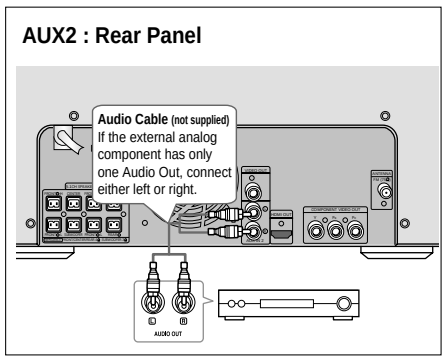
1 Connect AUX IN 1 (Audio) on the MINI COMPACT front panel to the Audio Out of the external component/MP3 player.

2 Press the **AUX** button to select <AUX1> input.

The mode switches as follows : **AUX 1 → AUX 2.**

AUX2 : Connecting an External Analog Component

Analog signal components such as a VCR.


AUX2 : Rear Panel
Audio Cable (not supplied)
If the external analog component has only one Audio Out, connect either left or right.
AUDIO OUT

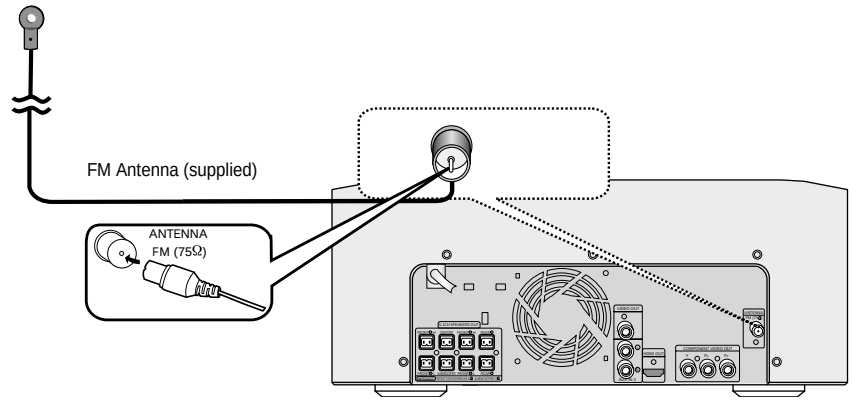
1 Connect AUX IN 2 (Audio) on the MINI COMPACT rear panel to the Audio Out of the external analog component.

■ Be sure to match connector colors.

2 Press the **AUX** button to select <AUX2> input.

The mode switches as follows : **AUX 1 → AUX 2.**

Connecting the FM Antennas



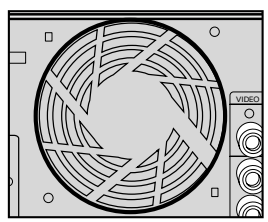
FM antenna connection

1. Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal as a temporary measure.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

• If reception is poor, connect an outdoor antenna.
Before attaching a 75Ω coaxial cable (with a standard type connector), disconnect the supplied FM antenna.

• This unit does not receive AM broadcasts.

Cooling Fan The cooling fan supplies cool air to the unit to prevent overheating.



Please observe the following cautions for your safety.

- Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.
- Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)

Setting the Clock

For each step, you have a few seconds to set the required options.
If you exceed this time, you must start again.

1 Switch the system on by pressing **STANDBY/ON** button.

2 Press **TIMER/CLOCK** twice.

- **CLOCK** is displayed.

3 Press **ENTER**. The hour flashes.

- Increase the hours : ▶
- Decrease the hours : ◀

4 When the correct hour is displayed, press **ENTER**. The minutes flash.

- Increase the minutes : ▶
- Decrease the minutes : ◀

5 When the correct time is displayed, press **ENTER**.

- "**TIMER**" appears in the display.
- The current time is now set.

Note

- You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.

Note

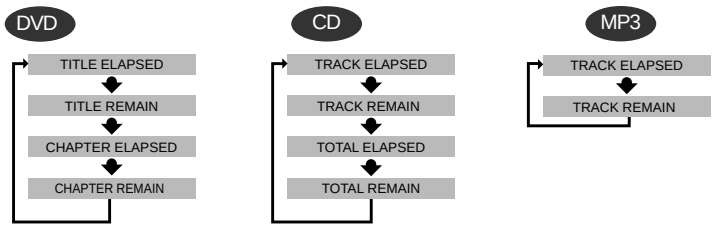
- You can also use ⏮/⏭ button on the panel front instead of ◀ ,▶ buttons in step 3,4.

Checking the Remaining Time

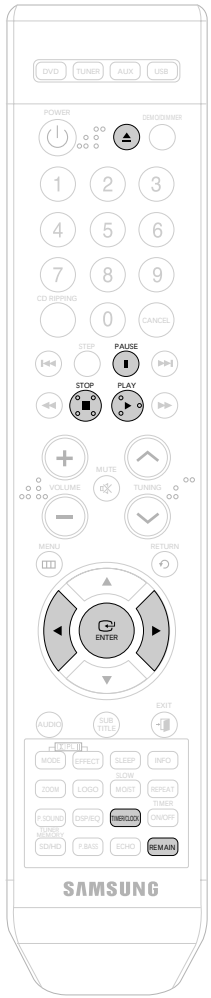
Press the REMAIN button.

- For checking the total and remaining time of a title or chapter being played.

Each time the REMAIN button is pressed



Disc Playback



1 Load a disc.

- Insert a disc that the disc's label facing up.

2 To open/close the disc tray, press **OPEN/CLOSE** ⏏ button.

DVD CD

- Playback starts automatically.

MP3 DivX JPEG

- Playback starts automatically.
- If the TV is on, a list of MP3s on the CD will appear on the TV screen.

Note

- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

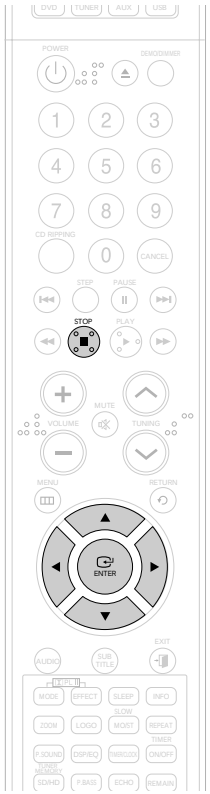
To stop playback, press **STOP** button during playback.

- If pressed once, the stop position will be stored in memory. If **PLAY** (▶) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if **PLAY** (▶) button is pressed, playback starts from the beginning.

To temporarily pause playback, press **PAUSE** button during playback.

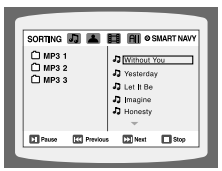
- To resume playback, press **PLAY(▶)** button again.

MP3/WMA-CD Playback



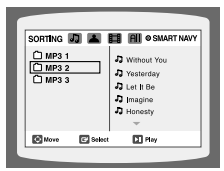
1 Load the MP3/WMA disc.

- The MP3/WMA menu screen will appear and playback will start.
- The appearance of the menu depends on the MP3/WMA disc.
- WMA-DRM files cannot be played.



2 In Stop mode, use ◄ ► ▲ ▼to select the album, and then press the **ENTER** button.

- Use ▲▼to select the track.



3 To change the album, use ◄ ► ▲ ▼to select another album in Stop mode, and then press the **ENTER** button.

- To select another album and track, repeat Steps 2 and 3 above.

4 Press the **STOP** button to stop playback.

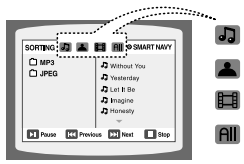
Note

- Depending on the recording mode, some MP3/WMA-CDs may not play.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.

To play a file icon in the screen,

Press the ◄ ► ▲ ▼button when it is in stop status and select a desired icon from the top part of the menu.

- To play music files only, select the Icon.
- To view image files only, select the Icon.
- To view movie files only, select the Icon.
- To select all files select the Icon.



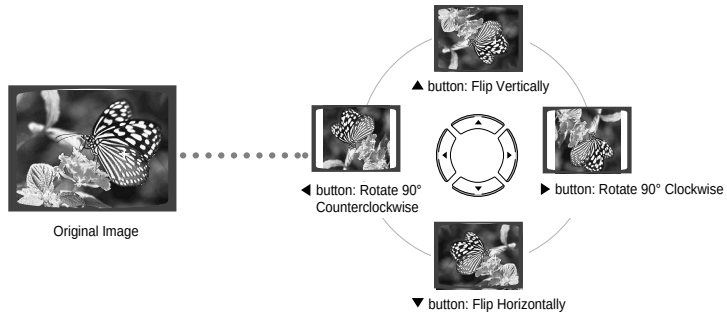
- Music File Icon
- Image File Icon
- Movie File Icon
- All File Icon

JPEG File Playback JPEG

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this DVD player.

Rotate/Flip Function

Press Cursor ▲, ▼, ◄, ► buttons during playback.


Original Image
▲ button: Flip Vertically
◄ button: Rotate 90° Counterclockwise
▶ button: Rotate 90° Clockwise
▼ button: Flip Horizontally

DivX Playback

Skip Forward/Back

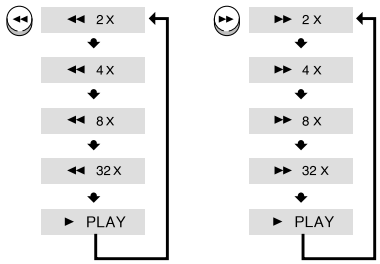
During playback, press the ⏮ ⏭ button.

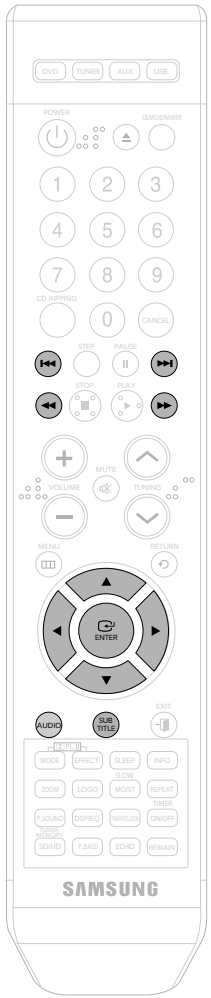
- Go to the next file whenever you press ⏭ button, if there are over 2 files in the disk.
- Go to the previous file whenever you press ⏮ button, if there are over 2 files in the disk.

Fast playback

To play back the disc at a faster speed, press ◀◀ ▶▶ button during playback.

- Each time you press either button, the playback speed will change as follows:





5 Minute Skip function

During playback, press the ◀, ▶ button.

- Go to the screen about 5 minutes after whenever you press ▶ button.
- Go to the screen about 5 minutes earlier whenever you press ◀ button.

Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between "**SUBTITLE ON**" and "**SUBTITLE OFF**".
- If the disc has only one subtitle file, it will be played automatically.
- Up to 8 subtitle languages are supported.

Audio Display

Press the **AUDIO** button.

- If there are multiple audio tracks on a disc, you can toggle between them.
- Each time you press the button, your selection will toggle between "**AUDIO**(1/1, 1/2 ...)" and " ".

Note • " " is displayed when there is one supported language in the disc.

DivX Feature Table

DivX Supported

Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

		SPEC
VIDEO Compatibility	DivX3.11	Up to the latest VERSION
	WMV	WMV V1/V2/V3/V7
AUDIO Compatibility	MP3	CBR : 80kbps~384kbps
	AC3	CBR : 128kbps~384kbps
	WMA	CBR : 56kbps~128kbps

MPEGs containing DivX can be divided into Video and Audio.

- **Video compatibility** : All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported. For WMV, V1, V2, V3, and V7 formats are possible. The initial resolution is 720X480 and may support up to 720X576 .
- **Audio compatibility** : MP3s encoded at bit rates from 80kbps to 384kbps, AC3s from 128kbps to 384kbps, and WMAs from 56kbps to 128kbps are supported.
- **In addition, for subtitles, this unit will support Text format (SMI).**

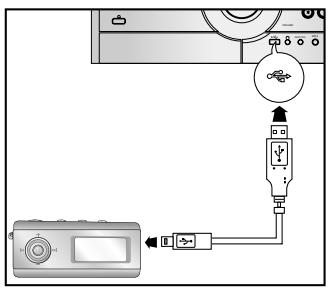
Note

- When playing the DivX disk, you can play the file with extension of AVI only.
- Among the available DivX audio formats, DTS Audio is not supported.
- WMV V8 is not supported for WMV files.
- When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.
- Divx Disc does not playing when its sampling frequency is lower than 32KHz.
- Some of the discs recorded in DivX or XviD depending on the way of recording could be played back not correctly or couldn't be played back at all.
- MP3 file support: MPEG1 LAYER3 (BIT RATE : 128KBPS~320KBPS , SAMPLING FREQ.: 32K/44.1K/48KHz) .

Playing Media Files using the USB feature

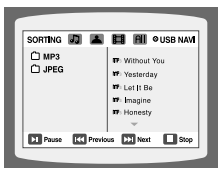
You can connect and play files from external USB storage devices such as MP3 players, USB flash memory, etc. using the player's USB function.

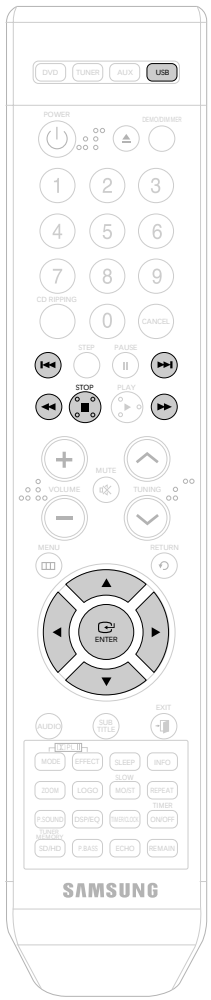
1 connect the USB cable.



2 Press the USB button on the main unit or the **USB** button on the remote control to select the USB mode.

- "**USB**" appears on the display screen and then disappear.
- USB SORTING screen appears on the TV screen and the saved file is played.



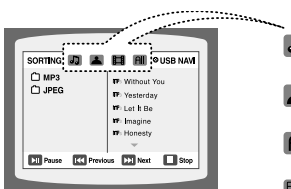


To stop playback, press the **STOP** (■) button.

Note

- Video files (DivX, WMV, MPEG, etc.) are supported.
- To prevent the loss of data saved in the USB device, please turn the unit off or switch it to another mode before disconnecting the USB cable.

To play a file in the USB menu screen,



- Music File Icon
- Image File Icon
- All File Icon
- Movie File Icon

Press the ◄ ► ▲ ▼ button when it is in stop status and select a desired icon from the top part of the menu.

- To play music files only, select the Icon.
- To view image files only, select the Icon.
- To select all files select the All Icon.
- To view movie files only, select the Icon.

Skip Forward/Back

During playback, press the ⏮ ⏭ button.

- When there is more than a file, when you press the ⏭ button, the next file is selected.
- When there is more than a file, when you press the ⏮ button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press ◀◀ or ▶▶ button during playback.

- Each time you press either button, the playback speed will change as follows: 2x ➞ 4x ➞ 8x ➞ 32x ➞ Normal.

Compatible Devices

1. USB devices that support USB Mass Storage v1.0.
   (USB devices that operate as a removable disk in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 player.
3. Digital camera: PTP protocol is not supported.
   - Devices which require additional program installation when you have connected it to a computer, are not supported.
4. USB HDD and USB Flash Drive: Devices that support USB2.0 or USB1.1.
   - You may experience a difference in playback quality when you connect a USB1.1 device.
   - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader
   - Depending on the manufacturer. the USB card reader may not be supported.
   - If you install multiple memory devices into a multi card reader, you may experience problems.

- **Supported Formats**

	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	.JPG .JPEG	–	–	640*480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz
	WMA	.WMA	56~128kbps	V8	–	44.1kHz
Movie	WMV	.WMV	4Mbps	V1,V2,V3,V7 (V9 is not supported)	720*480	44.1KHz~48KHz
	DivX	.AVI,.ASF	4Mbps	DivX3.11~DivX5.1,XviD	800*600	44.1KHz~48KHz

- A device using NTFS file system is not supported.(Only FAT file system is supported.)

The USB host function of this product does not support all USB devices.
For the information on the supported devices, please see the page 68.

Displaying Disc Information

You can view playback information on the disc on the TV screen.

Press **INFO** button on the remote control .

- Each time the button is pressed, the display changes as follows:

DVD

Display disappears

CD

Display disappears

MP3 JPEG DivX

Display disappears

Note

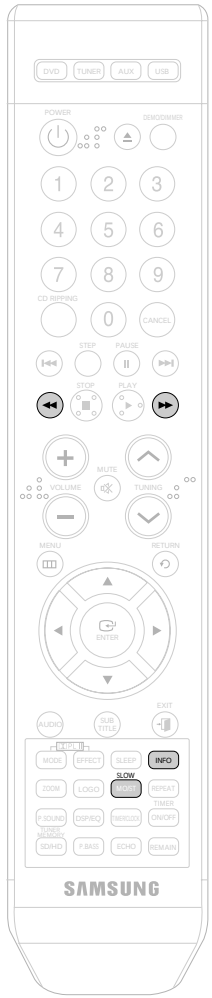
- Depending on the disc, the disc information display may appear different.

- **What is a Title?**
  A movie contained in a DVD disc.
- **What is a Chapter?**
  Each title on a DVD disc is divided into several smaller sections called "chapters".
- **appears on the TV screen!**
  If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.
- **What is a Track (File)?**
  A section of video or a music file recorded on a CD, or MP3-CD.

Screen Display

DVD DVD display
CD CD display
MP3 MP3 CD display
TITLE display
CHAPTER display
TRACK (FILE) display
ELAPSED TIME display
REPEAT PLAYBACK display
AUDIO LANGUAGE display
SUBTITLE display
LR STEREO (L/R) display
DOLBY DIGITAL DOLBY DIGITAL display
ANGLE display
DivX DivX display

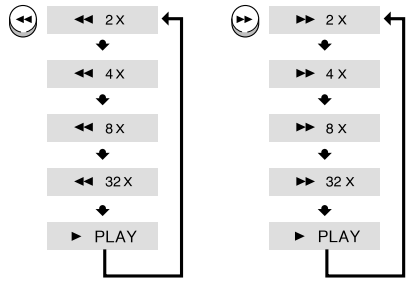
Fast/Slow Playback



Fast Playback DVD CD MP3

Press ◀◀ ▶▶ button.

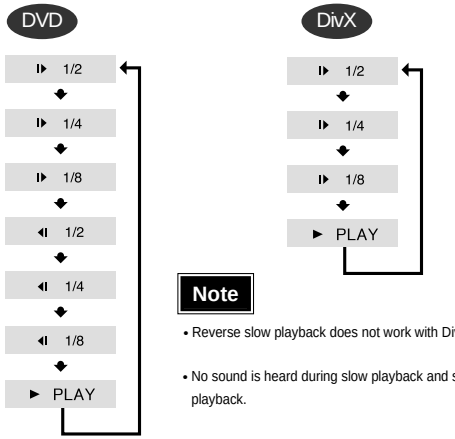
- Each time the button is pressed during playback, the playback speed changes as follows:



Slow Playback

Press **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:



Note

- Reverse slow playback does not work with DivX.
- No sound is heard during slow playback and step motion playback.

Skipping Scenes/Songs

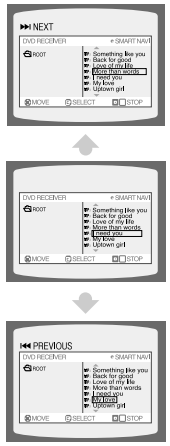
DVD MP3

Briefly press ⏮ ⏭.

- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.
- But, you cannot skip chapters consecutively.

DVD

MP3



Step Function DVD

Press **STEP** button.

- The picture moves forward one frame each time the button is pressed during playback.

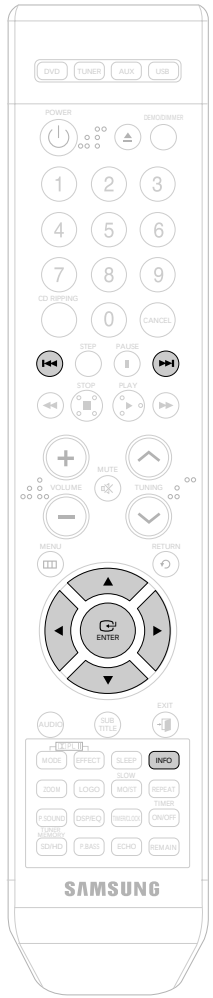
- No sound is heard during slow playback and step motion playback.

Angle Function

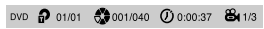
ENG

This function allows you to view the same scene in different angles.

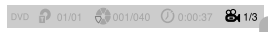
DVD



1 Press **INFO** button.

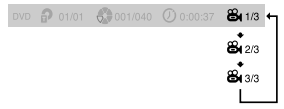


2 Press Cursor ▶ button to move to ANGLE display.



3 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired angle.

- Each time the button is pressed, the angle changes as follows:



Note

- The Angle function works only with discs on which multiple angles have been recorded.

OPERATION

Repeat Playback

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).

DVD CD MP3 JPEG

Press **REPEAT** button.

- Each time the button is pressed during playback, the repeat playback mode changes as follows:

DVD

RP CHA → RP TIT → RP OFF → RP CHA

CD

RP TRA → RP DIS → RP OFF → RP TRA

MP3 JPEG

RP RND → RP TRA → RP DIR → RP DIS → RP OFF → RP RND

Repeat Playback Options

CHAPTER
Repeatedly plays the selected chapter.

TITLE
Repeatedly plays the selected title.

RANDOM
Plays tracks in random order.
(A track that has already been played may be played again.)

TRACK
Repeatedly plays the selected track.

DIR
Repeatedly plays all tracks in the selected folder.

DISC
Repeatedly plays the entire disc.

OFF
Cancels Repeat Playback.

ENG

OPERATION

DVD CD

To Select a Repeat Playback Mode in the Disc Information Screen

1 Press **INFO** button twice .

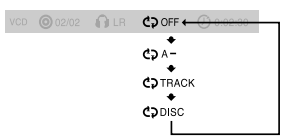
- For a CD, press INFO button once.

2 Press Cursor ▶ button to move to REPEAT PLAYBACK display.

3 Press Cursor ▼ button to select the desired Repeat Playback mode.

DVD

CD



4 Press **ENTER** button.

Note

- For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.

A↔B Repeat Playback

DVD CD

1 Press **INFO** button twice.

2 Press the Cursor ▶ button to move to the REPEAT PLAYBACK (↻) display.

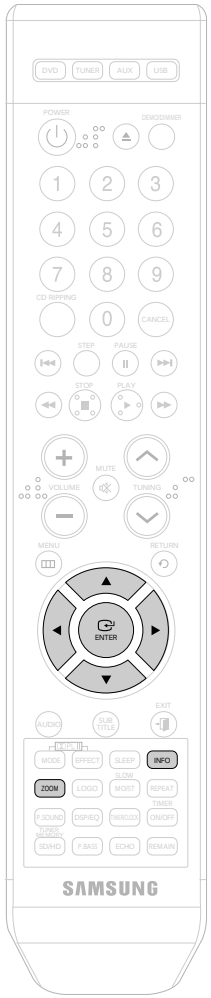
3 Press the Cursor ▲,▼ button to select <A-> and then press the **ENTER** button at the beginning of the desired segment.

When the **ENTER** button is pressed, the selected position will be stored in memory.

4 Press the **ENTER** button at the end of the desired segment.

The specified segment will be played repeatedly.

REPEAT: A-B



➢ To return to normal playback, press the Cursor ▲,▼ button to select ↻ OFF.

- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.
- The Zoom function does not operate with DivX discs.

Zoom Function

This function allows you to enlarge a particular area of the displayed image.

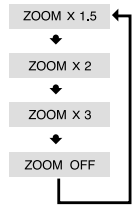
Zoom (Screen Enlarge) Function DVD

1 Press **ZOOM** button.

2 Press Cursor ▲,▼, ◀,▶ buttons to move to the area you want to enlarge.

3 Press **ENTER** button.

- Each time the button is pressed, the zoom level changes as follows:



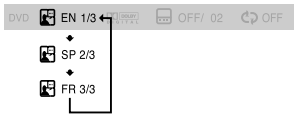
Selecting Audio/Subtitle Language

Audio Language Selection Function DVD

1 Press **INFO** button twice.

2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired audio language.

- Depending on the number of languages on a DVD disc, a different audio language (ENGLISH, SPAIN,JAPANESE, etc.) is selected each time the button is pressed.

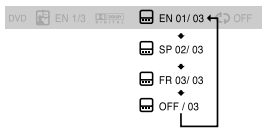


Subtitle Language Selection Function DVD

1 Press **INFO** button twice.

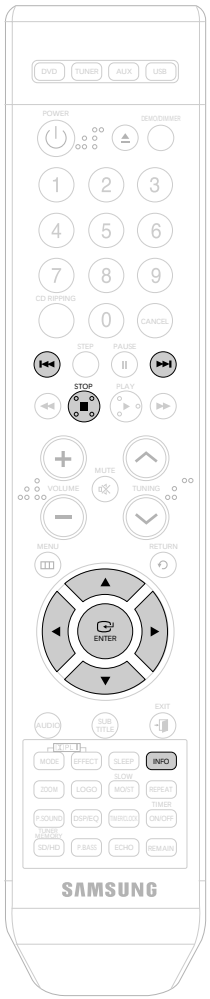
2 Press Cursor ▶ button to move to SUBTITLE display.

3 Press Cursor ▼ button or numeric buttons to select the desired subtitle.



Note

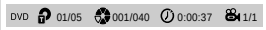
- To operate this function,you can also press the AUDIO or SUBTITLE buttons on the remote control.
- Depending on the disc, the Subtitle and Audio Language functions may not work.



Moving Directly to a Scene/Song

DVD CD

1 Press **INFO** button.

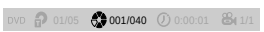


Moving to a Title/Track

2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired title/track and then press **ENTER** button.

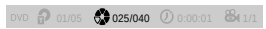
Moving to a Chapter

3 Press Cursor ◀, ▶ buttons to move to Chapter display.



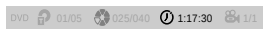
Moving to a Chapter

4 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired chapter and then press **ENTER** button.



Moving to a Specific Time

5 Press Cursor◀, ▶ buttons to move to time display.



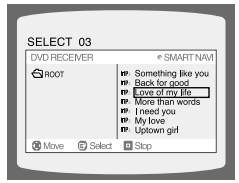
Moving to a Specific Time

6 Press the numeric buttons to select the desired time and then press **ENTER** button.

MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- A MP3 or JPEG disc cannot be moved from the disc information screen.
- When playing a MP3 or JPEG disc, you cannot use ▲, ▼ to move a folder. To move a folder, press ■ (Stop) and then press ▲, ▼ .



Note

- You can press ⏮ ⏭ on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

Using Disc Menu

You can use the menus for the audio language, subtitle language, profile, etc.
DVD menu contents differ from disc to disc.

DVD

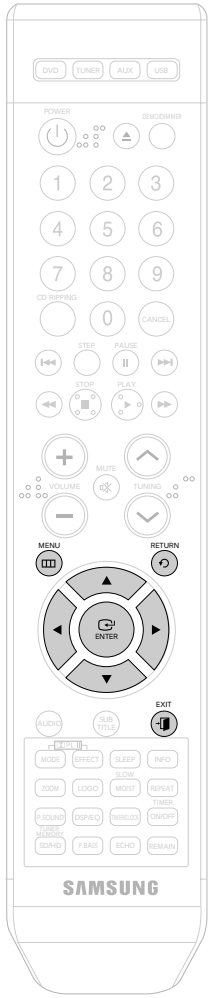
1 In stop mode, press **MENU** button.

2 Press Cursor ▲, ▼ buttons to move to 'DISC MENU' and then press **ENTER** button.

- When you select the disc menu that is not supported by the disc, the "**This menu is not supported**" message appears on the screen.

3 Press Cursor ▲, ▼, ◀, ▶ buttons to select the desired item.

4 Press **ENTER** button.



Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie.
Depending on the disc, this function may either not work at all or may work differently.

DVD

1 In stop mode, press **MENU** button.

2 Press Cursor ▲, ▼ button to move to 'Title Menu'.

3 Press **ENTER** button.

- The title menu appears.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Language

OSD language is set to English by default.

1 In stop mode,Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

5 Press Cursor ▲,▼ button to select the desired language and then press **ENTER** button.

- Once the setup is complete, if the language was set to English, OSD will be displayed in English.

Note

- To select other language, select OTHER and enter the language code of your country.
  (See page 38 for language code of countries)
  AUDIO, SUB TITLE and DISC MENU language can be selected.

Selecting the OSD Language

Selecting the Audio Language (recorded on the disc)

Selecting the Subtitle Language (recorded on the disc)

Selecting the Disc Menu Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

Press **MENU** or **EXIT** button to exit the setup screen.

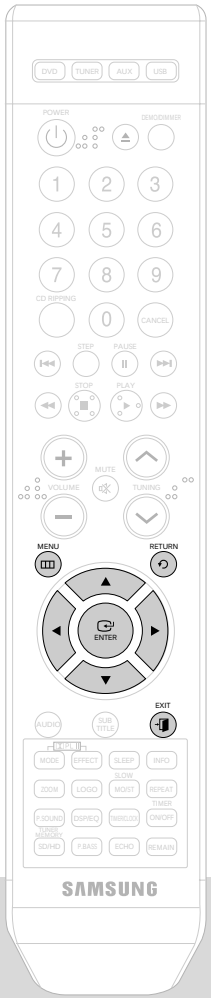
Press **RETURN** button to return to the previous level.

Language Code List

Enter the appropriate code number for the initial settings "Disc Audio", "Disc Subtitle" and/or "Disc Menu" (See page 37).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

Setting TV Screen type



1 In stop mode,Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TV DISPLAY' and then press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

- Once the setup is complete, you will be taken to the previous screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of widescreen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen sizes, you should adjust the aspect ratio to fit your TV or monitor.

For a standard TV, select either <4:3PS> or <4:3LB> option according to personal preference. Select <WIDE/HDTV> if you have a widescreen TV.

4:3PS (4:3 Pan&Scan)
Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

4:3LB (4:3 Letterbox)
Select this to play a 16:9 picture in the letter box mode on a conventional TV.
- Black bars will appear at the top and bottom of the screen.

WIDE/HDTV
Select this to view a 16:9 picture in the full-screen mode on your widescreen TV.
- You can enjoy the widescreen aspect.

- If a DVD is in the 4:3 ratio, you cannot view it in widescreen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.
- When using HDMI, the screen is automatically converted to Wide mode.

Setting Parental Controls (Rating Level)

Use this to restrict playback of adult or violent DVDs you do not want children to view.

1 In stop mode,press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

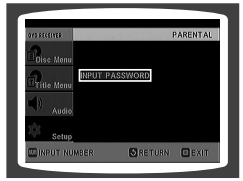
3 Press Cursor ▼ button to move to 'PARENTAL' and then press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired rating level and then press **ENTER** button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher.
- The higher the level, the closer the content is to violent or adult material.

5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.



Note

- This function works only if a DVD disc contains the rating level information.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Password

You can set the password for the Parental (rating level) setting.

1 In stop mode,press **MENU** button.

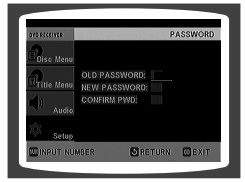
2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PASSWORD' and then press **ENTER** button.

4 Press **ENTER** button.

5 Enter the password and then press **ENTER** button.

- Enter the old password, a new password, and confirm new password.
- The setting is complete.



• The password is set to “7890” by default.

Press **RETURN** button to return to the previous level.

Press **CANCEL** button to cancel the error numeric when you inputting password.

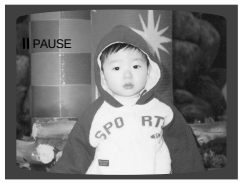
Press **EXIT** button to exit the setup screen.

Setting the Wallpaper JPEG DVD

While watching a DVD,JPEG CD, you can set the image you like as a wallpaper.

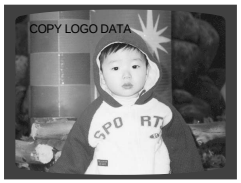
Setting the Wallpaper

1 During playback, press the **PAUSE** button when an image you like appears.



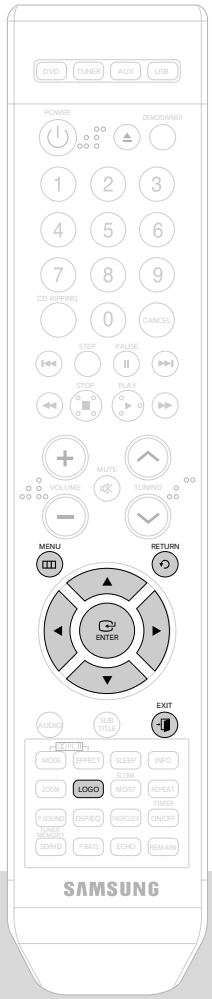
2 Press **LOGO** button.

- "**COPY LOGO DATA**" will be displayed on the TV screen.



3 The power will turn off and then back on.

- The selected wallpaper will be displayed.
- You can select up to 3 wallpaper settings.



Select this to set the Samsung Logo image as your wallpaper.

Select this to set the desired image as your wallpaper.

To Change the Wallpaper

1 In stop mode,press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'LOGO' and then press **ENTER** button.

4 Press ▼ to select the desired 'USER', and then press **ENTER**.

5 Press **EXIT** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

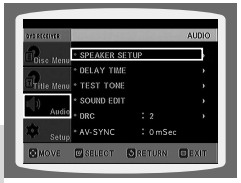
Setting the Speaker Mode

Signal outputs and frequency responses from the speakers will automatically be adjusted according to your speaker configuration and whether certain speakers are used or not.

1 In Stop mode, press **MENU** button.

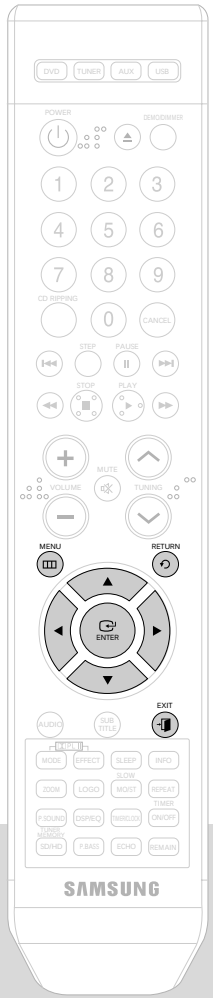
2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 In the Speaker Setup, press the **ENTER** button again.



4 Press Cursor ▲, ▼, ◄, ► buttons to move to the desired speaker and then press **ENTER** button.

- For C,SL, and SR, each time the button is pressed, the mode switches alternately as follows: SMALL → NONE.
- For L and R, the mode is set to SMALL.



SMALL : Select this when using the speakers.
NONE : Select this when no speakers are installed.

Note

- Although Center CH can toggle between SMALL and NONE,it is not relevant to speaker settings be signals are distributed to FRONT L-CH and R-CH by creating a virtual Center CH.(Default setting is SMALL).
- SPEAKER SETUP ---Available only in DVD.

Setting the Test Tone

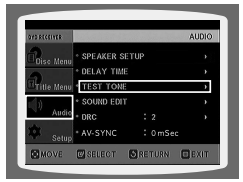
Press the Test Tone to check the speaker connections and to adjust the speaker levels.

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TEST TONE' and then press **ENTER** button.

- The test tone will be sent to L → C → R → SR → SL → SW in that order. If the ENTER button is pressed again at this time, the test tone will stop.



Note

- The test tone functin is not available while HDMI AUDIO ON.

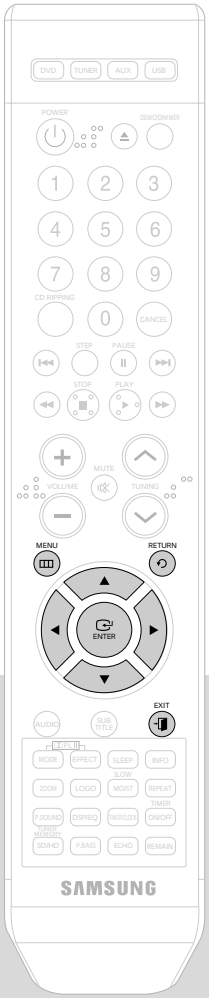
Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Setting the Delay Time

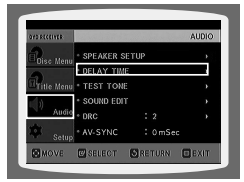
If the speakers cannot be placed at equal distances from the listening position, you can adjust the delay time of the audio signals from the rear speakers.



1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'DELAY TIME' and then press **ENTER** button.



4 Press Cursor ▲, ▼, ◀, ▶ buttons to move to the desired speaker and then press **ENTER** button.

5 Press Cursor ◀, ▶ to set the Delay time.

- You can set the delay time for C between 00 and 05mSEC and for LS and RS between 00 and 15mSEC.

Setting up the Speaker Delay Time

When 5.1CH Surround Sound is played, you can enjoy the best sound if the distance between you and each speaker is the same. Since the sounds arrive at the listening position at different times depending on the placement of speakers, you can adjust this difference by adding a delay effect to the sound of the Center Speaker and Surround Speakers.

Note

- With DD PLII (Dolby Pro Logic II), the delay time may be different for each mode.
- With AC-3 and DTS, the delay time can be set between 00 and 15mSEC.

- **Setting CENTER SPEAKER**

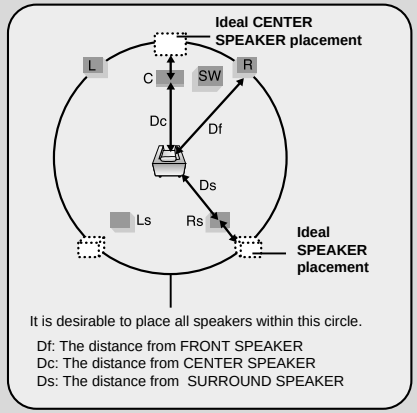
  If the distance of Dc is equal to or longer than the distance of Df in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Dc	Delay Time
0.00 m	0 ms
0.34 m	1 ms
0.68 m	2 ms
1.02 m	3 ms
1.36 m	4 ms
1.70 m	5 ms

- **Setting REAR () SPEAKERS**

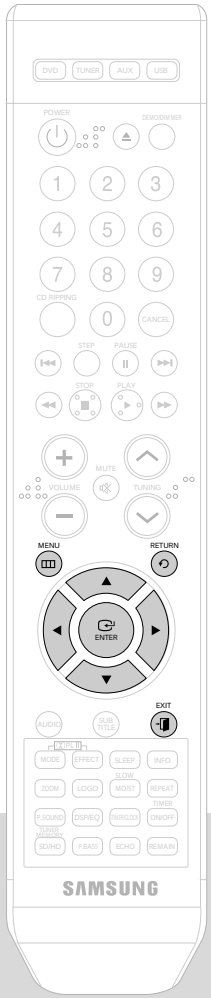
  If the distance of Df is equal to the distance of Ds in the figure, set the mode as 0ms. Otherwise, change the setting according to the table.

Distance between Df and Ds	Delay Time
0.00 m	0 ms
1.02 m	3 ms
2.04 m	6 ms
3.06 m	9 ms
4.08 m	12 ms
5.10 m	15 ms



Setting the Audio Quality

You can adjust the balance and level for each speaker.



When adjusting the audio quality using the setup screen

1 In Stop mode, press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'SOUND EDIT' and then press **ENTER** button.

4 Press Cursor ▲, ▼, ◀, ▶ buttons to select the desired item and then press **ENTER** button.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **EXIT** button to exit the setup screen.

Note

Adjusting Front/Rear Speaker Balance

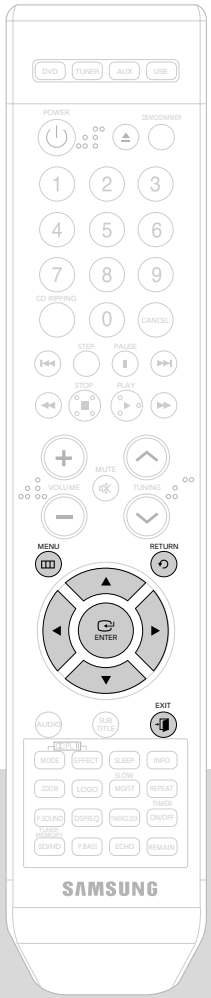
- You can select between 00 and –06 and OFF.
- The volume decreases as you move closer to –6.

Adjusting Center/Rear/Subwoofer Speaker Level

- The volume level can be adjusted in steps from +6dB to –6dB.
- The sound gets louder as you move closer to +6dB and quieter as you get closer to -6dB.

Setting the DRC (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



1 In stop mode,press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 If "**DRC**" is selected, press **ENTER**.

4 Press Cursor ▲, ▼ to adjust the 'DRC'.

- The more times the Cursor ▲ button is pressed, the greater the effect, and the more times Cursor ▼ button is pressed, the smaller the effect.

Press **RETURN** button to return to the previous level.

Press **EXIT** button to exit the setup screen.

AV SYNC Setup

Video may look slower than the audio if it is connected with digital TV. In this case, adjust the delay time of audio to optimal status to fit the video.

1 In stop mode,press **MENU** button.

2 Press Cursor ▲, ▼ buttons to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▲, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

4 Press Cursor ▲, ▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

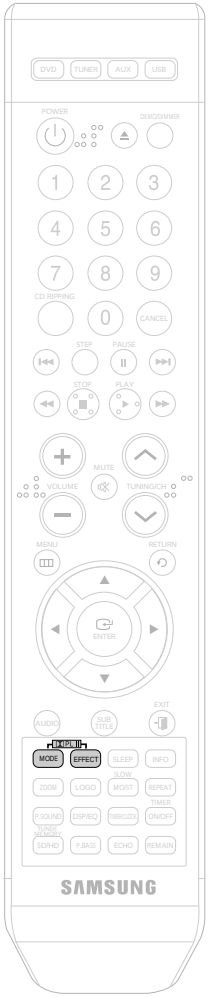
- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Press **RETURN** button to return to the previous level.

Press **EXIT** button to exit the setup screen.

Dolby Pro Logic II Mode

You can select the desired Dolby Pro Logic II audio mode.



1 Press the **PL II MODE** button.

Each time the button is pressed, the mode changes as follows.

MUSIC → CINEMA → PRO LOGIC → MATRIX → STEREO

PRO LOGIC II

- MUSIC: When listening to music, you can experience sound effects as if you are listening to the actual performance.
- CINEMA : Adds realism to the movie soundtrack.
- PRO LOGIC : You will experience a realistic multi-channel effect, as if using five speakers, while using just the front left and right speakers.
- MATRIX : You will hear 5.1 channel surround sound.
- **STEREO** : Select this to listen to sound from the front left and right speakers and the subwoofer only.

• When selecting Pro Logic II mode, connect your external device to the AUDIO INPUT jacks (L and R) on the player. If you connect to only one of the inputs (L or R), you cannot listen to surround sound.

Dolby Pro Logic II Effect

This function works only in Dolby Pro Logic MUSIC mode.

1 Press the **PL II MODE** button to select **<MUSIC>** mode.

2 Press the **PL II EFFECT** button to select <**PANORAMA**>, then press the Cursor ◀ , ▶ buttons to select the desired effect setting.

- You can select either 0 or 1.
- This mode extends the front stereo image to include the surround speakers for an exciting "wraparound" effect with side wall imaging.

3 Press the **PL II EFFECT** button to select <**C-WIDTH**>, then press the Cursor ◀ , ▶ button to select the desired effect setting.

- You can select between 0 and 7.
- This sets the width of the center image. The higher the setting, the less sound comes from the center speaker.

4 Press the **PL II EFFECT** button to select <**DIMENSION**>, then press the Cursor ◀ , ▶ button to select the desired setting

- You can select between 0 and 6.
- Incrementally adjusts the sound field (DSP) from the front or rear.

• When playing a DVD disc encoded with two or more channels, multi-channel mode will be selected automatically and the PL II (Dolby Pro Logic II) button does not work.

Listening to Radio

Remote Control

1 Press the **TUNER** button to select the FM band.

2 Tune in to the desired station.

- Automatic Tuning 1 : When the ⏮ ⏭ button is pressed, a preset broadcast station is selected.
- Automatic Tuning 2 : Press and hold the ∨,∧ button to automatically search for active broadcasting stations.
- Manual Tuning : Briefly press the ∨,∧ button to increase or decrease the frequency incrementally.

Main Unit

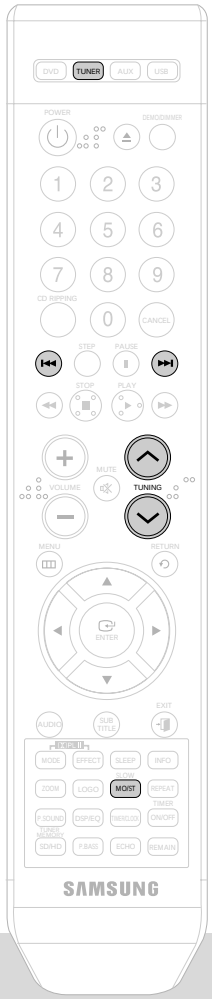
1 Press the **FUNCTION** button to select the FM band.

2 Select a broadcast station.

- Automatic Tuning 1 : Press the **STOP** (▫) button to select **<PRESET>** and then press the ⏮/⏭ button to select the preset station.
- Automatic Tuning 2 : Press the **STOP** (▫) button to select **<AUTO>** and then press the ⏮/⏭ button to automatically search the band.
- Manual Tuning : Press the **STOP** (▫) button to select **<MANUAL>** and then press the ⏮/⏭ button to tune in to a lower or higher frequency.

➢ Press the **MO/ST** button to listen in Mono/Stereo.

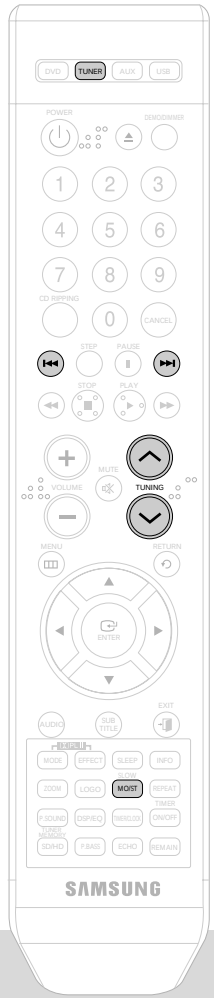
- Each time the button is pressed, the sound switches between **<STEREO>** and **<MONO>**.
- In a poor reception area, select MONO for a clear, interference-free broadcast.



Presetting Stations

You can store up to:

♦ 15 FM stations



Example : Presetting FM 89.10 in the memory

1 Press the **TUNER** button to select the FM band.

2 Press the ∨,∧ button to select <89.10>.

3 Press the **TUNER MEMORY** button.

4 Press the ⏮ ⏭ button to select preset number.

- You can select between 1 and 15 presets.

5 Press the **TUNER MEMORY** button again.

- The station is stored in memory.

6 To preset another station, repeat steps 2 to 5.

➢ To tune in to a preset station, press the ⏮ ⏭ button on the remote control to select a channel.

• This unit does not receive AM broadcasts.

Timer Function

- The timer enables you to switch the system on or off at specific times.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Example: You wish to wake up to music every morning.

1 Switch the system on by pressing **POWER**.

2 Press **TIMER/CLOCK** until **TIMER** is displayed.

3 Press the **ENTER** button.

- **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

4 Set the timer switch-on time.

a. Set the hour by pressing ◀ or ▶ button.
b. Press **ENTER** .
- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.
d. Press **ENTER**.
- **OFF TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-off time already set; you can now set the timer switch-off time.

5 Set the timer switch-off time.

a. Set the hour by pressing ◀ or ▶ button.
b. Press **ENTER**.
- The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.
d. Press **ENTER**.
- **VOL 10** is displayed, where 10 corresponds to the volume already set.

6 Press ◀ or ▶ button to adjust the volume level and press **ENTER**.

- The source to be selected is displayed.

7 Press ◀ or ▶ button to select the source to be played when the system switches on.

- TUNER (radio) : **a** Press **ENTER**. **b** Select a preset station by pressing ◀ or ▶ .
- DVD/CD (compact disc) : Load on a disc.
- USB :Insert a USB.

8 Press **ENTER** to confirm the timer.

9 Press **POWER** to set the system to standby mode.

- ◷ is displayed to the top right of the time, indicating that the timer has been set.
- The system will switch on and off automatically at the required times.

Note
- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- You can also use ⏮/⏭ button on the front panel to instead ◀, ▶button on the remote control in step 4,5,6,7.

Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.

To cancel the timer, press **TIMER ON/OFF** once.

- ◷ is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

- ◷ is displayed again.

Note
- You can cancel the timer while the power is on or while the player is in standby.

POWER SOUND / POWER BASS / DSP/EQ Function

Your mini-compact system is equipped with the function of Power Sound.
The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

Press the **P.SOUND** button

Result: "**P.SOUND**" is displayed and "**P,SOND**" is displayed for a few seconds.
To cancel this function, press **P.SOUND** again, "**PASS**" is displayed for a few seconds, and P.SOUND disappears.

➢ When CD Ripping,the P.SOUND function can't work and the P.SOUND automatically covert to "OFF" mode.

Your mini-compact system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.

Press the **P.BASS** button.

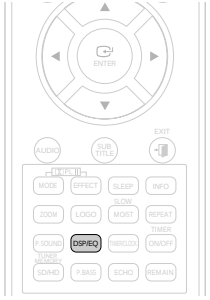
Result: **BASS** is displayed and "**P. BASS**" is displayed for a few seconds.
To cancel this function, press **P.BASS** again, "**OFF**" is displayed for a few seconds.

➢ When CD Ripping,the P.BASS function can't work and the P.BASS automatically covert to "OFF" mode.

Press **DSP/EQ** on the remote control until the required option is selected.

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

To obtain a...	Select...
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for jazz music	JAZZ
Balance suitable for rock music	ROCK
Balance suitable for studio	STUDIO
Balance suitable for club	CLUB
Balance suitable for hall	HALL
Balance suitable for movie	MOVIE
Balance suitable for chur ch	CHUR CH



➢ When CD Ripping,the DSP/EQ function can't work and the DSP/EQ automatically covert to "PASS" mode.

CD RIPPING Function

You can rip a compact disc as a MP3 file on the USB
This feature enables you to ripping with the start of the disc or track of your choice.

1 Switch the system on by pressing **STANDBY/ON**.

2 Connect the USB.

3 Load a compact disc(Digital Audio).

- Press the **OPEN/CLOSE** button (⏏) to open the disc tray.
- Insert a CD and press the **OPEN/CLOSE** button (⏏) to close the disc tray.
- Use the CD selection (I<<,>>I) buttons to select the desired song.

4 Press CD RIPPING button on remote control to starting ripping.

- If the system is either at pause or playing state,turn the CD RIPPING dial down or press CD RIPPING button on the remote control to start the ripping for the current track.
- Turn CD RIPPING dial up or press and hold CD RIPPING button on the remote control to start ripping the all tracks of Disc.
- "CD Ripping" is displayed in red and CD RIPPING starts.
- During CD ripping, do not disconnect USB device.

5 To stop ripping, press STOP ◘ button.and then automatically create and save as the MP3 file.

After CD-Ripping,a directory named "RIPPING" will be created in your device.The filename follows the format:"SAM_XXXX".MP3.

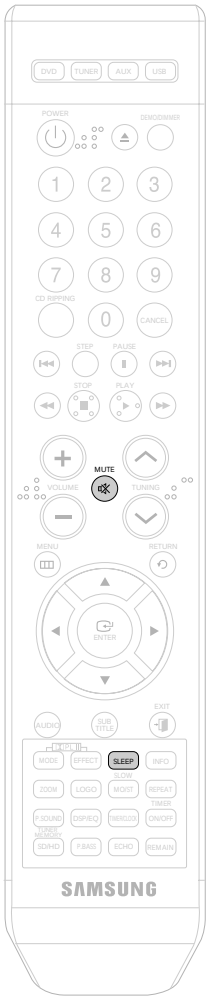
Note

- Don't disconnected USB and AC Cord during CD-Ripping.This may cause the file damage.If you want to stop CD-Ripping during CD-Ripping,you must press stop Key first and after the CD Stopped,then you can remove the USB device.
- If you disconnected USB device when CD Ripping,the main unit will be power off and you may not delete the ripped file,In this case, please connect the USB on the PC and backup the USB data on the PC first and then formate the USB device .
- On the CD playing ,connect the USB,the CD play will be paused and will resume playing till the USB initilization finished.
- According the different USB the initilization time maybe different.
- When the USB memory is not enough,it will be displayed "NOT ENOUGH MEMORY"
- DTS-CD can't for CD Ripping.
- Starting CD ripping within 5 seconds can't create the CD Ripping file.
- Ripping file is only created when CD Ripping is stopped afters 5 seconds(ex. SAM_0001.MP3).
- With external HDD,FAT format the USB can be CD Ripping,but not NTFS.The CD Ripping function of this product does not support all USB devices.
- When you use CD high speed search function,the CD Ripping can't work.
- When CD Ripping, CD audio can't be out.
- During CD Ripping,do not deal impact.If is shocked while CD Ripping,CD Ripping maybe disengage.
- Sometimes, some of USB devices, CD Ripping time is long.
- If you use scratched disc for CD Ripping, or connect/disconnect HDMI cable during CD Ripping, there might be some noise and broken sound on ripped file.
- When HDMI audio on, the CD RIPPING can't work.

CD Ripping Feature Supported Player

Product	Company	Type
YP-T8	Samsung	MP3 Player
YP-T7F	Samsung	MP3 Player
YP-D1	Samsung	MP3 Player
YP-T8N	Samsung	MP3 Player
YP-U2	Samsung	MP3 Player
YP-T9	Samsung	MP3 Player
YP-K5	Samsung	MP3 Player
YP-K3	Samsung	MP3 Player
YV-150	Samsung	MP3 Player
YP-U3	Samsung	MP3 Player

Sleep Timer Function / Mute Function



Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

- Each time the button is pressed, the selection changes as follows: **90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF**.

To confirm the sleep timer setting, press **SLEEP** button.

- The remaining time before the DVD player will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

Mute Function

This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

- '**MUTE**' appears in the display.
- To turn off mute, press the button again.

DEMO Function / DIMMER Function

DEMO Function

You can view the various functions available on your system.

Press **DEMO/DIMMER** button.

- The various functions available are listed in turn on the display.
- All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.

DIMMER Function

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DEMO/DIMMER** button.

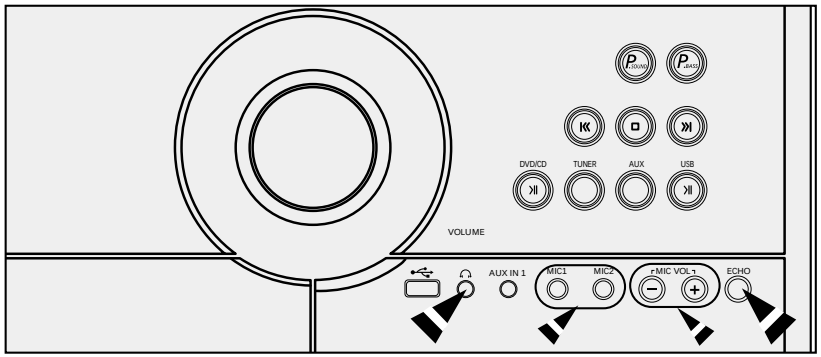
- Each time the button is press, the brightness changes as follows: **DIMMER ON(Dim) → DIMMER OFF(Bright)**.

To cancel this function, press **DEMO/DIMMER** again.

Note

Press any buttons to cancel DEMO function.
When you turn off the main unit, DEMO function will be auto start after 10 senconds. if you want to cancel this DEMO function, press DEMO/DIMMER button again.

Connecting Headphones /Microphone Function



Connect the headphones to the **PHONES** jack on the front panel.

- The loudspeakers are no longer used to output the sound.

Plug a microphone with a 3.5ø MIC jack into the Mic 1 or 2 terminal.

- Connect one or two Microphones.
- Press the **MIC -,+** button to adjust the **MIC** level.
- Press the **ECHO** button to select ECHO1,ECHO2, and ECHO OFF.
- MIC output is not available while HDMI AUDIO ON.

Note

- Prolonged use of headphones at a high volume may damage your hearing.
- HDMI AUDIO is turned OFF when headphones are connected.
- When CD Ripping, CD audio can't be out.

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.

Handling discs

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.
Do not stick paper or tape on the disc.

Handling and Storing Discs

When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc.

Note

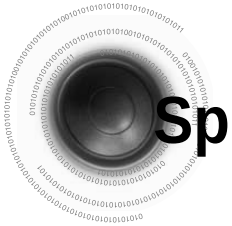
- Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
i can't eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted?
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.

Symptom	Check/Remedy
Audio language and subtitles do not work.	• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
Menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• The main unit is not working. (Example: The power goes out or strange noise is heard.) • The DVD player is not working normally.	• Turn off the power and hold the **STOP** button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
The password for rating level has been forgotten.	• While the player is in **"NO DISC"** mode, hold the main unit's **STOP** ◘ button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**



Specifications

GENERAL	Power Consumption	110 W
	Weight	5.1 Kg
	Dimensions (W x H x D)	360 x 150 x 340 mm
	Operating Temperature Range	+5 °C~+35 °C
	Operating Humidity Range	10 % ~ 75 %
FM TUNER	Usable Sensitivity	10 dB
	S/N Ratio	60 dB
	Distortion	0.5 %
VIDEO OUTPUT	Composite Video	1.0 Vp-p(75 Ω load)
	Component Video	Y:1.0 Vp-p(75 Ω load)
		Pr:0.70 Vp-p(75 Ω load)
		Pb:0.70 Vp-p(75 Ω load)
	HDMI	Impedance: 85~115 Ω
AMPLIFIER	Front speaker output	260 W x 2(4 Ω)
	Center speaker output	130 W(4 Ω)
	Rear speaker output	130 W x 2(4 Ω)
	Subwoofer speaker output	160 W(3 Ω)
	Frequency range	20 Hz~20 KHz
	S/N Ratio	70 dB
	Channel separation	50 dB
	Input sensitivity	(AUX)500 mV

SPEAKER	Speaker system	5.1ch speaker system		
		Front speaker	Center/Rear speaker	Subwoofer speaker
	Impedance	4 Ω	4 Ω	3 Ω
	Frequency range	140 Hz~20 kHz	140 Hz~20 kHz	35 Hz~160 Hz
	Output sound pressure level	88 dB	88 dB	90 dB
	Rated input	260 W	130 W	160 W
	Maximum input	520 W	260 W	320 W
	Dimensions (W x H x D)	Front/Rear: 220 x 355 x 286 mm		270 x 400 x 286 mm
		Center: 360 x 95.5 x 330 mm		
	Weights	Front/Rear: Front: 4.2 Kg, Rear: 3.9 Kg		6.5 Kg
		Center: 2.1 Kg		

USB Host Feature Supported Products

DIGITAL CAMERA

Product	Company	Type	Product	Company	Type
Finepix-A340	Fuji	Digital Camera	U300	Olympus	Digital Camera
Finepix-F810	Fuji	Digital Camera	X-350	Olympus	Digital Camera
Finepix-F610	Fuji	Digital Camera	C-760	Olympus	Digital Camera
Finepix-f450	Fuji	Digital Camera	C-5060	Olympus	Digital Camera
Finepix S7000	Fuji	Digital Camera	X1	Olympus	Digital Camera
Finepix A310	Fuji	Digital Camera	U-mini	Olympus	Digital Camera
KD-310Z	Konica	Digital Camera	Lumix-FZ20	Panasonic	Digital Camera
Finecam SL300R	Kyocera	Digital Camera	DMC-FX7GD	Panasonic	Digital Camera
Finecam SL400R	Kyocera	Digital Camera	Lumix LC33	Panasonic	Digital Camera
Finecam S5R	Kyocera	Digital Camera	LUMIX DMC-F1	Panasonic	Digital Camera
Finecam Xt	Kyocera	Digital Camera	Optio-S40	Pentax	Digital Camera
Dimage-Z1	Minolta	Digital Camera	Optio-S50	Pentax	Digital Camera
Dimage Z1	Minolta	Digital Camera	Optio 33LF	Pentax	Digital Camera
Dimage X21	Minolta	Digital Camera	Optio MX	Pentax	Digital Camera
Coolpix4200	Nikon	Digital Camera	Digimax-420	Samsung	Digital Camera
Coolpix4300	Nikon	Digital Camera	Digimax-400	Samsung	Digital Camera
Coolpix 2200	Nikon	Digital Camera	Sora PDR-T30	Toshiba	Digital Camera
Coolpix 3500	Nikon	Digital Camera	Coolpix 5900	Nikon	Digital Camera
Coolpix 3700	Nikon	Digital Camera	Coolpix S1	Nikon	Digital Camera
Coolpix 4100	Nikon	Digital Camera	Coolpix 7600	Nikon	Digital Camera
Coolpix 5200	Nikon	Digital Camera	DMC-FX7	Panasonic	Digital Camera
Stylus 410 digital	Olympus	Digital Camera	Dimage Xt	Minolta	Digital Camera
300-digital	Olympus	Digital Camera	AZ-1	Olympus	Digital Camera
300-digital	Olympus	Digital Camera			Digital Camera

USB FLASH DISC

Product	Company	Type	Product	Company	Type
Cruzer Micro	Sandisk	USB 2.0 USB Flash Drive 128M	XTICK	LG	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 128M	Micro Mini	Iomega	USB 2.0 128M
Cruzer Mini	Sandisk	USB 2.0 256M	iFlash	Imation	USB 2.0 64M
SONY Micro Vault	Sony	USB 2.0 64MB	LG	XTICK(M)	USB 2.0 64M
FLEX DRIVE	Serotech	USB 2.0 32MB	RiDATA	EZDrive	USB 2.0 64M
AnyDrive	A.L tech	USB 2.0 128MB			

MP3 PLAYER

Product	Company	Type	Product	Company	Type
Creative MuVo NX128M	Creative	128 MB MP3 Player	YP-780	Samsung	MP3 Player
Iriver H320	Iriver	20G HDD MP3 Player	YP-35	Samsung	MP3 Player
YH-920	Samsung	20G HDD MP3 Player	YP-55	Samsung	MP3 Player
YP-T7	Samsung	MP3 Player	iAUDIO U2	Cowon	MP3 Player
YP-MT6	Samsung	MP3 Player	iAUDIO G3	Cowon	MP3 Player
YP-T6	Samsung	MP3 Player	iAudio M3	Cowon	HDD MP3 Player
YP-53	Samsung	MP3 Player	SI-M500L	Sharp	256MB MP3 Player
YP-ST5	Samsung	MP3 Player	H10	Iriver	MP3 Player
YP-T5	Samsung	MP3 Player	YP-T5 VB	Samsung	MP3 Player
YP-60	Samsung	MP3 Player	YP-53	Samsung	256MB MP3 Player

Notes on Terminology

ANGLE	Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left , from the right , etc.). With such discs, the Angle button can be used to change the angle of view for specific scenes.
CHAPTER NUMBER	These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.
DVD	A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.
REGION NUMBER	Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.
SUBTITLES	Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.
TITLE NUMBER	These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.
TRACK NUMBER	These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.
DOLBY DIGITAL	5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with DOLBY DIGITAL disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

Region	Country	Customer Care Center ☎	Web Site
North America	CANADA	1-800-SAMSUNG(726-7864)	www.samsung.com/ca
	MEXICO	01-800-SAMSUNG(726-7864)	www.samsung.com
	U.S.A	1-800-SAMSUNG(726-7864)	www.samsung.com
Latin America	ARGENTINE	0800-333-3733	www.samsung.com/ar
	BRAZIL	0800-124-421 , 4004-0000	www.samsung.com
	CHILE	800-SAMSUNG(726-7864)	www.samsung.com/cl
	NICARAGUA	00-1800-5077267	
	HONDURAS	800-7919267	
	COSTA RICA	0-800-507-7267	www.samsung.com/latin
	ECUADOR	1-800-10-7267	www.samsung.com/latin
	EL SALVADOR	800-6225	www.samsung.com/latin
	GUATEMALA	1-800-299-0013	www.samsung.com/latin
	JAMAICA	1-800-234-7267	www.samsung.com/latin
	PANAMA	800-7267	www.samsung.com/latin
	PUERTO RICO	1-800-682-3180	www.samsung.com/latin
	REP. DOMINICA	1-800-751-2676	www.samsung.com/latin
	TRINIDAD & TOBAGO	1-800-SAMSUNG(726-7864)	www.samsung.com/latin
	VENEZUELA	0-800-100-5303	www.samsung.com/latin
	COLOMBIA	01-8000112112	www.samsung.com.co
Europe	BELGIUM	0032 (0)2 201 24 18	www.samsung.com/be
	CZECH REPUBLIC	844 000 844 Distributor pro Českou republiku: Samsung Zrt., česka organizační složka Vyskočilova 4, 14000 Praha 4	www.samsung.com/cz
	DENMARK	70 70 19 70	www.samsung.com/dk
	FINLAND	030-6227 515	www.samsung.com/fi
	FRANCE	3260 SAMSUNG (€ 0,15/Min), 08 25 08 65 65 (€ 0,15/Min)	www.samsung.com
	GERMANY	01805 - SAMSUNG(726-7864) (€ 0,14/Min)	www.samsung.com
	HUNGARY	06-80-SAMSUNG(726-7864)	www.samsung.com
	ITALIA	800-SAMSUNG(726-7864)	www.samsung.com
	LUXEMBURG	0035 (0)2 261 03 710	www.samsung.com/be
	NETHERLANDS	0900-SAMSUNG(726-7864) (€ 0,10/Min)	www.samsung.com/nl
	NORWAY	815-56 480	www.samsung.com/no
	POLAND	0 801 801 881 , 022-607-93-33	www.samsung.com/pl
	PORTUGAL	80820-SAMSUNG(726-7864)	www.samsung.com/pt
	SLOVAKIA	0800-SAMSUNG(726-7864)	www.samsung.com/sk
	SPAIN	902 10 11 30	www.samsung.com
	SWEDEN	0771-400 200	www.samsung.com/se
	U.K	0845 SAMSUNG (7267864)	www.samsung.com
	EIRE	0818 717 100	www.samsung.com/ie
	AUSTRIA	0800-SAMSUNG(726-7864)	www.samsung.com/at
	SWITZERLAND	0800-SAMSUNG(726-7864)	www.samsung.com/ch
CIS	RUSSIA	8-800-555-55-55	www.samsung.com
	KAZAHSTAN	8-10-800-500-55-500	www.samsung.kz
	UZBEKISTAN	8-10-800-500-55-500	www.samsung.uz
	KYRGYZSTAN	00-800-500-55-500	
	TADJIKISTAN	8-10-800-500-55-500	
	UKRAINE	8-800-502-0000	www.samsung.com
	LITHUANIA	8-800-77777	www.samsung.lt
	LATVIA	800-7267	www.samsung.com/lv
	ESTONIA	800-7267	www.samsung.ee
Asia Pacific	AUSTRALIA	1300 362 603	www.samsung.com
	NEW ZEALAND	0800SAMSUNG(726-7864)	www.samsung.com/nz
	CHINA	800-810-5858 , 010-6475 1880	www.samsung.com
	HONG KONG	3698-4698	www.samsung.com/hk
	INDIA	3030 8282 , 1800 110011	www.samsung.com
	INDONESIA	0800-112-8888	www.samsung.com
	JAPAN	0120-327-527	www.samsung.com/jp
	MALAYSIA	1800-88-9999	www.samsung.com/my
	PHILIPPINES	1800-10-SAMSUNG(726-7864)	www.samsung.com/ph
	SINGAPORE	1800-SAMSUNG(726-7864)	www.samsung.com
	THAILAND	1800-29-3232 , 02-689-3232	www.samsung.com
	TAIWAN	0800-329-999	www.samsung.com/tw
	VIETNAM	1 800 588 889	www.samsung.com
Middle East & Africa	TURKEY	444 77 11	www.samsung.com
	SOUTH AFRICA	0860-SAMSUNG(726-7864)	www.samsung.com
	U.A.E	800-SAMSUNG (726-7864), 8000-4726	www.samsung.com